



LEOPARD IMAGING INC

LI-OV2640-USB-M7

Data Sheet

Key Features

- Support 2M video streaming
- MJPEG compression
- USB 2.0 compliance
- Size: 60mmx9mm
- Low cost with high quality
- Customized based on customer's specs



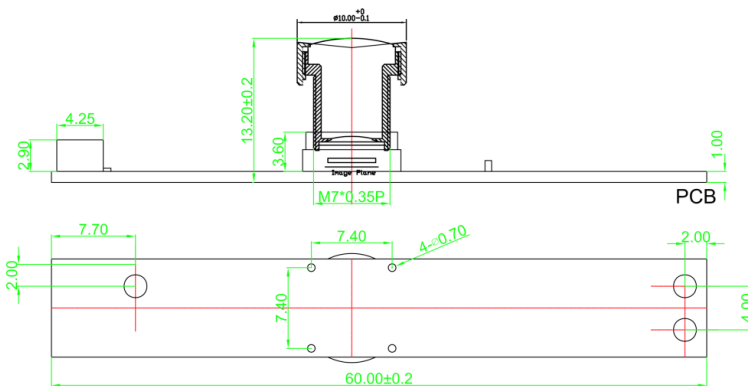
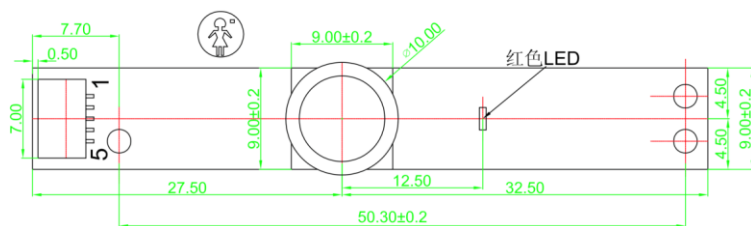
Lens Specification

- Focusing Range: 23cm to infinity
- Focal Length: 2.0 mm
- F Number: 2.5
- Fov (H): 100 °
- TV Distortion: <-88%
- Sensor: OV2640

Interface (SM05B-SRSS-TB)

5 Pin USB Connector (SM05B-SRSS-TB)	
Pin No.	Name
1	USB_5V
2	USB_DM
3	USB_DP
4	GND
5	Shield_Ground

Dimensions



Leopard Imaging Inc.

1130 Cadillac Ct., Milpitas, CA 95035, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com
www.leopard-security.com

Specification

General Behavior		
Video Resolution @ Frame rate	1600 x 1200	MJPEG @ 15 fps
	1280 x 1024	MJPEG @ 7 fps
	800 x 600	MJPEG @ 30 fps
	640 x 480	MJPEG @ 30 fps
	352 x 288	MJPEG @ 30 fps
	320 x 240	MJPEG @ 30 fps
Adjustment	TBD	
Interface (Optical)		
Sensor specification	OmniVision OV2640 CMOS UXGA sensor	
Shutter	Rolling	
Format	1/4”	
Resolution	H:1600, V:1200	
Pixel size	H:2.2 um, V: 2.2 um	
Sensitivity	0.6 V/Lux-sec	
S/N Ratio	40 dB	
Dynamic Range	50 dB	
Dark Current	15 mV/s at 60 °C	
Lens	M7 lens	
Interface (Electrical)		
Interface	USB 2.0	
Supply voltage	USB 2.0 +5 VDC power source	
Current consumption	Approx. 150 mA at 5 VDC	
Interface (Mechanical)		
Dimensions	L: 60 mm, W: 9 mm, H: 13.2 mm	
Mass	2 g	
Environmental		
Max. temperature (stable image)	0 °C ~ 50 °C (32 °F~ 122 °F)	
Max. temperature (operation)	-10 °C ~ 60 °C (14 °F~ 140 °F)	
Max. temperature (storage)	-20 °C ~ 80 °C (-4 °F~176 °F)	
Max. humidity (operation)	20 % ~ 80 %, relative, non-condensing	
Max. humidity (storage)	20 % ~ 80 %, relative, non-condensing	



Leopard Imaging Inc.

1130 Cadillac Ct., Milpitas, CA 95035, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com
www.leopard-security.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Leopard Imaging:](#)

[LI-OV2640-USB-M7](#)